

Comparisons of Job Characteristics

Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|---|
| Mechanical | 6.8 | 17.1 | 16.4 | 0 Current knowledge level may be sufficient |
| Design | 5.2 | 13.2 | 9.6 | << Extensive education and/or training may be required |
| Public Safety and Security | 6.9 | 12.7 | 8.9 | << Extensive education and/or training may be required |
| Computers and Electronics | 8.4 | 12.2 | 17.5 | >> Current knowledge level is likely more than sufficient |
| Physics | 4.3 | 10.1 | 7.5 | << Extensive education and/or training may be required |
| Telecommunications | 3.9 | 10.0 | 6.9 | << Extensive education and/or training may be required |
| Engineering and Technology | 5.7 | 9.3 | 11.7 | > Current knowledge level is likely sufficient |
| Building and Construction | 4.0 | 8.4 | 6.3 | << Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Equipment Maintenance | 3.5 | 11.4 | 11.1 | 0 Current skill level may be sufficient |
| Repairing | 3.4 | 11.1 | 13.3 | > Skill level is likely sufficient |

| | | | | | |
|--------------------------|-----|------|------|----|--|
| Troubleshooting | 4.5 | 10.7 | 12.0 | > | Skill level is likely sufficient |
| Quality Control Analysis | 5.9 | 10.2 | 13.3 | >> | Skill level is likely more than sufficient |
| Operation Monitoring | 6.6 | 10.0 | 12.6 | > | Skill level is likely sufficient |
| Equipment Selection | 3.3 | 5.6 | 10.5 | >> | Skill level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)
Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|--|
| Arm-Hand Steadiness | 6.8 | 10.3 | 10.7 | 0 | Current ability level may be sufficient |
| Visualization | 7.5 | 10.1 | 11.0 | 0 | Current ability level may be sufficient |
| Control Precision | 6.6 | 10.0 | 9.8 | 0 | Current ability level may be sufficient |
| Selective Attention | 8.7 | 10.0 | 8.8 | < | Some improvement in abilities may be required |
| Finger Dexterity | 7.6 | 9.8 | 12.9 | >> | Current ability level is likely more than sufficient |
| Manual Dexterity | 6.5 | 9.4 | 11.2 | > | Current ability level is likely sufficient |
| Visual Color Discrimination | 6.4 | 9.3 | 10.6 | > | Current ability level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)
Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

| Work Activities | Exclusivity of Activity |
|--|-------------------------|
| Analyze operation of malfunctioning electrical or electronic equipment | 68 |
| Distinguish colors | 44 |
| Fabricate, assemble, or disassemble manufactured products by hand | 11 |
| Install electrical fixtures or components | 71 |
| Install or replace meters, regulators, or related measuring or control devices | 66 |
| Install/connect electrical equipment to power circuit | 57 |
| Maintain or repair industrial or related equipment/machinery | 39 |
| Perform safety inspections in industrial, manufacturing or repair setting | 32 |
| Read blueprints | 10 |
| Read schematics | 34 |
| Read technical drawings | 7 |
| Repair or adjust measuring or control devices | 71 |

| | |
|---|----|
| Repair or replace electrical wiring, circuits, fixtures, or equipment | 49 |
| Replace electronic components | 63 |
| Solder electrical or electronic connections or components | 55 |
| Test electrical/electronic wiring, equipment, systems or fixtures | 54 |
| Test electronic or electrical circuit connections | 66 |
| Understand service or repair manuals | 40 |
| Understand technical operating, service or repair manuals | 6 |
| Use electrical or electronic test devices or equipment | 40 |
| Use hand or power tools | 2 |
| Use interpersonal communication techniques | 10 |
| Use soldering equipment | 44 |
| Use voltmeter, ammeter, or ohmmeter | 52 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)
Associated Occupation: Electrical and Electronics Repairers, Powerhouse, Substation, and Relay (49-2095)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.